

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-us96-12860-2

Applicant Copy  
09/689,366  
2/18/2004

Query Match 100.0%; Score 3277; DB 5; Length 618;  
Best Local Similarity 100.0%; Pred. No. 4.8e-308;  
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHKTASORLPFGSPYONIKSIMESTLSDMTNSNOKMKYDSCELYRMSYSTPAGV 60  
DB 1 MHKTASORLPFGSPYONIKSIMESTLSDMTNSNOKMKYDSCELYRMSYSTPAGV 60  
QY 61 PVSESLARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 120  
DB 61 PVSESLARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 120  
QY 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPSYA 180  
DB 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPSYA 180  
QY 181 MSTEERARFLTYHMPILFLSPSELARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 240  
DB 181 MSTEERARFLTYHMPILFLSPSELARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 240  
QY 241 RRRFPNCPFLNLSLETIRFSISNLSMOTHAARMTFMYWPSVVPVPEOLASAGFYTYGR 300  
DB 241 RRRFPNCPFLNLSLETIRFSISNLSMOTHAARMTFMYWPSVVPVPEOLASAGFYTYGR 300  
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360  
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360  
QY 361 STSDTTEENADPPIIHFGGESSSEDVAMNTPVVKSALMEGFNDLVQVQSKILTT 420  
DB 361 STSDTTEENADPPIIHFGGESSSEDVAMNTPVVKSALMEGFNDLVQVQSKILTT 420  
QY 421 GENYKTVNDIVSALNADEKREBEKEKAEASDLSLIRKNRMLFOQLTCVPILD 480  
DB 421 GENYKTVNDIVSALNADEKREBEKEKAEASDLSLIRKNRMLFOQLTCVPILD 480  
QY 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVGNAAANI FKCKLKEIDSTLYKNLF 540  
DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVGNAAANI FKCKLKEIDSTLYKNLF 540  
QY 541 VDKMKYIPTEDVSGSLSEQLRLQEBERTCYCMKEVSVFIPCGHLVVOCECAPSLR 600  
DB 541 VDKMKYIPTEDVSGSLSEQLRLQEBERTCYCMKEVSVFIPCGHLVVOCECAPSLR 600  
QY 601 KCPICRGIIKGTVRTFLS 618  
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 4  
US-08-511-485-8  
Sequence 8, Application US/08511485  
Patent No. 5919912

GENERAL INFORMATION:  
APPLICANT: Korneluk, Robert G.  
APPLICANT: Mackenzie, Alexander E.  
APPLICANT: Baird, Stephen  
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110-2804

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/511,485  
FILING DATE: 04-AUG-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
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REGISTRATION NUMBER: 30,162  
REFERENCE/DOCKET NUMBER: 07540/002001  
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TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
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INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 618 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: both  
MOLECULE TYPE: protein  
US-08-511-485-8

Query Match 99.1%; Score 3247; DB 2; Length 618;  
Best Local Similarity 99.4%; Pred. No. 3.8e-305;  
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHKTASORLPFGSPYONIKSIMESTLSDMTNSNOKMKYDSCELYRMSYSTPAGV 60  
DB 1 MHKTASORLPFGSPYONIKSIMESTLSDMTNSNOKMKYDSCELYRMSYSTPAGV 60  
QY 61 PVSESLARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 120  
DB 61 PVSESLARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 120  
QY 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPSYA 180  
DB 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPSYA 180  
QY 181 MSTEERARFLTYHMPILFLSPSELARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 240  
DB 181 MSTEERARFLTYHMPILFLSPSELARAGFYTYGNDVKYKCCGGLMDNKLGDSPLOKHOLYPSCSFIQNLVSAS 240  
QY 241 RRRFPNCPFLNLSLETIRFSISNLSMOTHAARMTFMYWPSVVPVPEOLASAGFYTYGR 300  
DB 241 RRRFPNCPFLNLSLETIRFSISNLSMOTHAARMTFMYWPSVVPVPEOLASAGFYTYGR 300  
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360  
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360  
QY 361 STSDTTEENADPPIIHFGGESSSEDVAMNTPVVKSALMEGFNDLVQVQSKILTT 420  
DB 361 STSDTTEENADPPIIHFGGESSSEDVAMNTPVVKSALMEGFNDLVQVQSKILTT 420  
QY 421 GENYKTVNDIVSALNADEKREBEKEKAEASDLSLIRKNRMLFOQLTCVPILD 480  
DB 421 GENYKTVNDIVSALNADEKREBEKEKAEASDLSLIRKNRMLFOQLTCVPILD 480  
QY 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVGNAAANI FKCKLKEIDSTLYKNLF 540  
DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTLVGNAAANI FKCKLKEIDSTLYKNLF 540  
QY 541 VDKMKYIPTEDVSGSLSEQLRLQEBERTCYCMKEVSVFIPCGHLVVOCECAPSLR 600  
DB 541 VDKMKYIPTEDVSGSLSEQLRLQEBERTCYCMKEVSVFIPCGHLVVOCECAPSLR 600  
QY 601 KCPICRGIIKGTVRTFLS 618  
DB 601 KCPICRGIIKGTVRTFLS 618